

# **Inpatient Quality Indicator 22 (IQI 22)**

## **Vaginal Birth After Cesarean (VBAC) Delivery Rate, Uncomplicated**

### **July 2021**

#### **Hospital-Level Indicator**

#### **Type of Score: Rate**

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#### **DESCRIPTION**

Vaginal births per 1,000 deliveries by patients with previous Cesarean deliveries. Excludes deliveries with complications (abnormal presentation, preterm delivery, fetal death, multiple gestation, or breech presentation).

*[NOTE: The software provides the rate per previous Cesarean delivery. However, common practice reports the measure as per 1,000 previous Cesarean deliveries. The user must multiply the rate obtained from the software by 1,000 to report the number of vaginal births per 1,000 deliveries by patients with previous Cesarean deliveries.]*

#### **NUMERATOR**

Number of vaginal deliveries among cases meeting the inclusion and exclusion rules for the denominator. Vaginal deliveries are identified by any listed ICD-10-PCS procedure code for vaginal delivery (**VAGDELP\***).

#### **DENOMINATOR**

Discharges with an ICD-10-CM diagnosis code for birth delivery outcome (**DELOCMD\***) with any listed ICD-10-CM diagnosis code for previous Cesarean delivery (**PRVBACD\***).

## DENOMINATOR EXCLUSIONS

Exclude cases:

- with any listed ICD-10-CM diagnosis code for abnormal presentation, preterm delivery, fetal death, multiple gestation, or breech presentation (***Appendix A: PRCSECD***)
- MDC 15 (newborns and other neonates with conditions originating in perinatal period)
- with an ungroupable DRG (DRG=999)
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)

[\*Appendix A – Abnormal presentation, fetal death, and multiple gestation diagnosis codes\*](#)

\* See below for code list

***Vaginal delivery procedure codes: (VAGDELP)***

|         |   |         |   |
|---------|---|---------|---|
| 10D07Z3 | Extraction of products of conception, low forceps, via natural or artificial opening  | 10D07Z7 | Extraction of products of conception, internal version, via natural or artificial opening |
| 10D07Z4 | Extraction of products of conception, mid forceps, via natural or artificial opening  | 10D07Z8 | Extraction of products of conception, other, via natural or artificial opening            |
| 10D07Z5 | Extraction of products of conception, high forceps, via natural or artificial opening | 10E0XZZ | Delivery of products of conception, external approach                                     |
| 10D07Z6 | Extraction of products of conception, vacuum, via natural or artificial opening       |         |   |

***Outcome of delivery diagnosis codes: (DELOCMD)***

|       |  |       |   |
|-------|--|-------|---|
| Z370  | Single live birth                          | Z3759 | Other multiple births, all liveborn         |
| Z371  | Single stillbirth                          | Z3760 | Multiple births, unspecified, some liveborn |
| Z372  | Twins, both liveborn                       | Z3761 | Triplets, some liveborn                     |
| Z373  | Twins, one liveborn and one stillborn      | Z3762 | Quadruplets, some liveborn                  |
| Z374  | Twins, both stillborn                      | Z3763 | Quintuplets, some liveborn                  |
| Z3750 | Multiple births, unspecified, all liveborn | Z3764 | Sextuplets, some liveborn                   |
| Z3751 | Triplets, all liveborn                     | Z3769 | Other multiple births, some liveborn        |
| Z3752 | Quadruplets, all liveborn                  | Z377  | Other multiple births, all stillborn        |
| Z3753 | Quintuplets, all liveborn                  | Z379  | Outcome of delivery, unspecified            |
| Z3754 | Sextuplets, all liveborn                   |       |   |

***Previous Cesarean delivery diagnosis codes: (PRVBACD)***

|        |   |        |   |
|--------|---|--------|---|
| O3421  | Maternal care for scar from previous cesarean delivery                | O34219 | Maternal care for unspecified type scar from previous cesarean delivery |
| O34211 | Maternal care for low transverse scar from previous cesarean delivery | O3422  | Maternal care for cesarean scar defect (Isthmocele)                     |
| O34212 | Maternal care for vertical scar from previous cesarean delivery       | O6641  | Failed attempted vaginal birth after previous cesarean delivery         |
| O34218 | Maternal care for other type scar from previous cesarean delivery     |        |   |